

## **Toxcon 2013**

### **18<sup>th</sup> Interdisciplinary Czech-Slovak Toxicology Conference**

#### **Final program**

**Wednesday June 19**

#### **13:00 -13:30      Opening the Conference**

**Words from Organizers**

##### ***Organizing Societies***

- Czech Society for Experimental and Clinical Pharmacology and Toxicology, Czech Medical Association J. Ev. Purkyne
- Slovak Toxicology Society

##### ***Organizing Institutions***

- University Hospital Hradec Králové
- Faculty of Medicine in Hradec Králové, Charles University
- Faculty of Military Health Sciences in Hradec Králové, University of Defence

#### **13:30 - 15:20 *Lecture Section I***

***Chair and co-chair: Kuča Kamil, Kuneš Martin***

##### **Pelclová Daniela**

Outcome of the outbreak of methanol poisoning in the Czech Republic in 2012

##### **Zakharov Sergey**

Methanol outbreak in the Czech Republic in 2012: 121 cases and 41 deaths. Has it been different from „Methanol epidemics“ in other European countries?

##### **Kullová Lucie**

How to survive methanol

##### **Marešová Věra**

Synthetic cannabinoids as an alternative to cannabis

**Poništ Silvester**

New perspectives in the treatment of rheumatoid arthritis on immunomodulators and antioxidants

**Sotax** (Commercial presentation)

**Martincová Iva**

Dissolution & Dissolution equipments with attention to Flow Through Dissolution for various formulations

**15:20 - 17:00** *Poster Section I*

*Refreshments at posters*

**19:00 - 24:00** *Welcome Party in Hotel Grand (Evening on wine)*

**Thursday June 20**

**9:00 - 10:30** *Lecture Section II – Cytotoxicity and Developmental toxicity*

*Chair and co-chair: Mach Mojmír, Soukup Ondřej*

**Groh Tomáš**

Impact of histone deacetylase inhibitors on anticancer effects of cytostatics

**Danihelová Martina**

Cytotoxic effect of novel quercetin complexes on human colon cancer cells

**Vojtko Róbert**

Changes of rat renal artery reactivity induced by long-term intoxication by carbon tetrachloride

**Dubovický Michal**

Prenatal and perinatal manipulation of monoaminergic systems affects neurobehavioral development

**Biotech** (Commercial presentation)

**Kasalová Lenka**

xCELLigence and Holographic Microscopy – New Approach in the Field of Toxicology

**10:30 - 10:50** *Coffee break*

**10:50 - 12:20** *Lecture Section III – Molecular Toxicology*

*Chair and co-chair : Pávek Petr, Brtko Július*

**Stiborová Marie**

Carcinogenicity and nephrotoxicity of aristolochic acid I is dictated by enzymes catalyzing its activation and detoxication

**Brtko Július**

Toxicity of nuclear retinoid X receptors cognate ligands of organotin origin in breast cancer cell lines: Effect on selected retinoid/retinoid X receptor subtypes expression

**Mičuda Stanislav**

Renal toxicity of bacterial lipopolysaccharide is prevented by IL-1 antagonist

**Pávek Petr**

Aryl hydrocarbon receptor (AHR) in placenta

**MGP** (Commercial presentation)

**Lucie Nováková**

MGP news for life sciences

**12:20 - 13:30** **Lunch**

**13:30 - 15:00** *Lecture Section IV – Military Toxicology*

*Chair and co-chair: Kassa Jiří, Jun Daniel*

**Kassa Jiří**

The reactivating, therapeutic and neuroprotective efficacy of two newly developed oximes (K456, K458) in rats and mice poisoned with tabun – a comparison with the oxime K203 and trimedoxime

**Jun Daniel**

Bioscavengers – Efficient antidotes for poisoning by nerve agents and organophosphorus pesticides

**Musílek Kamil**

Cholinesterase reactivators – current knowledge and possible future directions

**Otřísal Pavel**

Resistance of the isolative protective garment designated for specialist's protection against selected chlorinated hydrocarbons

**Velaz** (Commercial presentation)

**Baxa Marek**

Velaz-All for lab animals

**15:00 – 15:20 Coffee break**

**15:20 – 16:00 Lecture section V – Foodstuffs Toxicology**

*Chair: Hudeček Jiří*

**Ostrý Vladimír**

Ochratoxin A – an important mycotoxin in the light of recent knowledge

**Hudeček Jiří**

Red-wine flavonoids

**16:00 – 17:30 Poster Section II**

*Refreshments at posters*

**19:00 – 24:00 Grill party in AC music club** (Evening on beer)

**Friday June 21**

**9:00 – 10:20 Lecture Section VI – Teratogenicity and mutagenesis**

*Chair and co-chair: Štětina Rudolf, Ujházy Eduard*

**Imreová Petronela**

Potential anticlastogenic effect of hyperforin

**Hudec Roman**

Come assay study of the UVA-induced DNA damage by the novel quercetin derivatives

**Štětina Rudolf**

Mechanism of action of sulphur mustard

**Shaikh Quereshi Wasay Mohiuddin**

Carbamazepine teratogenic effects on cardiomyocytes in *in vitro* system – possible protective role of antioxidants

10:20 – 10:40 Coffee break

10:40 – 12:00 ***Lecture Section VII – Toxicology analysis and ecotoxicology***

***Chair: Musílek Kamil, Dubovický Michal***

**Imrich Jan**

Novel acridine glycoconjugates based on thiosemicarbazides

**Voříšek Viktor**

Current state of drugs of abuse bioanalysis in forensic and clinical toxicology – a review

**Slaninová Andrea**

Effects of terbutylazine on oxidative stress in common carp (*Cyprinus carpio*)

**Kuča Kamil**

From the synthesis of new molecule to the practical application

12:00 - 12:15 Closing ceremony

12:15 - 13:15 Lunch